CLAIMS

What is claimed is:

1. A process and method for a dynamic rack creator and editor, comprising:

a mathematical equation and/or equations, which are responsive to input by the user thereby maintaining (or managing) space, height and depth requirements for both the racks and equipment;

a data entry method to receive input from barcode readers to create and edit racks dynamically;

a data entry method to receive input from voice input to create and edit racks dynamically;

a data entry method to receive input from a keyboard and/or mouse to create and edit racks dynamically;

a data entry method to receive input from personal digital assistant to create and edit racks dynamically;

2. A method as recited in claim 1, wherein the dynamic rack creator and editor utilizes a graphical user interface (GUI) is used to input data to access a database server to acquire images and/or create images to determine the correct placement in the visual representation of the creation and/or update of a network rack and equipment dynamically (or in real-time).

3. A method as recited in claim 1, wherein the dynamic rack creator and editor automates the creation of details of the network infrastructure, involving a series of racks and equipment.

4. A method as recited in claim 3, wherein the dynamic rack creator and editor provides a method to automate the update of details of the network infrastructure, involving a series of racks and equipment in real-time (or dynamically).

5. A method as recited in claim 3, wherein the dynamic rack creator and editor tracks network rack and equipment within an application server that can be accessed by a database server for the purposes of accessing and input of moves, adds and changes records over time for historical data on equipment and maintenance purposes.

6. A method as recited in claim 1, wherein the dynamic rack creator and editor assists network planning on the data center, switch room, and central office, based upon the ability to see visually exactly what resides within each data center, switch room, and central office, via the Internet or Intranet.

7. A method as recited in claim 1, wherein the dynamic rack creator and editor enables the visual representation of the equipment details, including height, width and depth measurements in ("U" or units), inches or centimeters, and model numbers, serial numbers and other rack and/or equipment details.

8. A method as recited in claim 1, wherein the dynamic rack creator and editor provides tracking of the life cycle of networking equipment and inventory records, whether its new, retired in place or moved, throughout the data center, switch room, and central office.

9. A method as recited in claim 1, wherein the dynamic rack creator and editor provides grouping of equipment, by equipment type, and dimensions (height, depth and width).

10. A method as recited in claim 1, wherein the dynamic rack creator and editor provides input of space and height requirements for both the racks and equipment by barcode readers, voice input, personal digital assistants, and keyboard and/or mouse input devices to create and edit racks dynamically.

11. A method as recited in claim 1, wherein the dynamic rack creator and editor provides input of equipment model numbers, barcode and serial numbers for the equipment by barcode readers, voice input, personal digital assistants, and keyboard and/or mouse to create and edit racks dynamically.

12. A method as recited in claim 1, wherein the dynamic rack creator and editor provides the capability to search (or query) a database server for available equipment to place in open or vacant space on the rack, which meet a series of height, depth, width requirements. .

17